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Nata

Client:

LumCAT: 2-2521-L

Luminaire: 92.70.412.00

Report No: 2024823-B009

Ballast type: AC

Test No: 2024823-C009

Voltage(V): 35.320

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.576

Lamp flux(lm): 3311.0

Power (W): 20.340

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3024.72, Efficiency(%): 91.35% , Luminous Efficacy(lm/W): 148.71

Central intensity(cd): 5115.593, Maximum intensity(cd): 5115.593

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=48.2

[C90/270]Total=48.2

Field angle(10%Imax): [C0/180]Total=70.0

[C90/270]Total=70.0

Maximum s/h(1/2): C0_180=0.76 C90_270=0.76

Maximum s/h(1/4): C0_180=0.74 C90_270=0.74

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.35%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.281%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/23
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5115.593	0.000	0	0.00%	0.00%
1.0	5101.112	4.889	4.889	0.15%	0.16%
2.0	5067.340	14.595	19.483	0.44%	0.64%
3.0	5008.076	24.097	43.58	0.73%	1.44%
4.0	4935.494	33.284	76.865	1.01%	2.54%
5.0	4854.370	42.115	118.98	1.27%	3.93%
6.0	4772.530	50.592	169.572	1.53%	5.61%
7.0	4673.003	58.628	228.2	1.77%	7.54%
8.0	4581.630	66.234	294.434	2.00%	9.73%
9.0	4483.424	73.467	367.901	2.22%	12.16%
10.0	4386.971	80.274	448.175	2.42%	14.82%
11.0	4290.105	86.702	534.877	2.62%	17.68%
12.0	4184.514	92.640	627.517	2.80%	20.75%
13.0	4084.093	98.128	725.644	2.96%	23.99%
14.0	3985.328	103.288	828.932	3.12%	27.41%
15.0	3872.017	107.869	936.801	3.26%	30.97%
16.0	3759.263	111.820	1048.621	3.38%	34.67%
17.0	3637.318	115.185	1163.805	3.48%	38.48%
18.0	3525.111	118.093	1281.898	3.57%	42.38%
19.0	3375.308	120.053	1401.951	3.63%	46.35%
20.0	3234.341	120.975	1522.926	3.65%	50.35%
21.0	3091.503	121.469	1644.395	3.67%	54.37%
22.0	2927.836	120.961	1765.357	3.65%	58.36%
23.0	2767.383	119.501	1884.858	3.61%	62.32%
24.0	2584.958	117.021	2001.879	3.53%	66.18%
25.0	2397.763	113.296	2115.175	3.42%	69.93%
26.0	2198.367	108.492	2223.667	3.28%	73.52%
27.0	1976.554	102.140	2325.808	3.08%	76.89%
28.0	1703.314	93.166	2418.974	2.81%	79.97%
29.0	1543.964	84.958	2503.932	2.57%	82.78%
30.0	1309.306	77.038	2580.97	2.33%	85.33%
31.0	1087.689	66.705	2647.675	2.01%	87.53%
32.0	936.861	58.001	2705.676	1.75%	89.45%
33.0	775.448	50.445	2756.121	1.52%	91.12%
34.0	621.558	42.278	2798.399	1.28%	92.52%
35.0	506.781	35.042	2833.441	1.06%	93.68%
36.0	398.135	28.813	2862.253	0.87%	94.63%
37.0	320.763	23.446	2885.7	0.71%	95.40%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	251.794	19.111	2904.811	0.58%	96.04%
39.0	190.644	15.102	2919.913	0.46%	96.53%
40.0	162.747	12.325	2932.238	0.37%	96.94%
41.0	121.380	10.118	2942.355	0.31%	97.28%
42.0	91.386	7.730	2950.085	0.23%	97.53%
43.0	77.464	6.255	2956.34	0.19%	97.74%
44.0	64.994	5.377	2961.717	0.16%	97.92%
45.0	56.137	4.655	2966.372	0.14%	98.07%
46.0	48.522	4.093	2970.465	0.12%	98.21%
47.0	43.147	3.646	2974.111	0.11%	98.33%
48.0	38.561	3.303	2977.414	0.10%	98.44%
49.0	34.836	3.014	2980.428	0.09%	98.54%
50.0	31.873	2.781	2983.209	0.08%	98.63%
51.0	29.034	2.577	2985.786	0.08%	98.71%
52.0	26.840	2.398	2988.184	0.07%	98.79%
53.0	24.783	2.246	2990.429	0.07%	98.87%
54.0	22.990	2.106	2992.535	0.06%	98.94%
55.0	21.400	1.981	2994.516	0.06%	99.00%
56.0	20.079	1.874	2996.391	0.06%	99.06%
57.0	18.804	1.778	2998.169	0.05%	99.12%
58.0	17.549	1.681	2999.85	0.05%	99.18%
59.0	16.629	1.598	3001.448	0.05%	99.23%
60.0	15.624	1.524	3002.971	0.05%	99.28%
61.0	14.816	1.453	3004.424	0.04%	99.33%
62.0	14.001	1.389	3005.813	0.04%	99.37%
63.0	13.305	1.328	3007.141	0.04%	99.42%
64.0	12.727	1.277	3008.418	0.04%	99.46%
65.0	12.011	1.224	3009.642	0.04%	99.50%
66.0	11.439	1.170	3010.812	0.04%	99.54%
67.0	10.861	1.121	3011.933	0.03%	99.58%
68.0	10.381	1.076	3013.01	0.03%	99.61%
69.0	9.842	1.032	3014.041	0.03%	99.65%
70.0	9.258	0.981	3015.022	0.03%	99.68%
71.0	8.633	0.925	3015.947	0.03%	99.71%
72.0	7.944	0.862	3016.809	0.03%	99.74%
73.0	7.405	0.803	3017.611	0.02%	99.76%
74.0	6.886	0.751	3018.363	0.02%	99.79%
75.0	6.452	0.705	3019.067	0.02%	99.81%

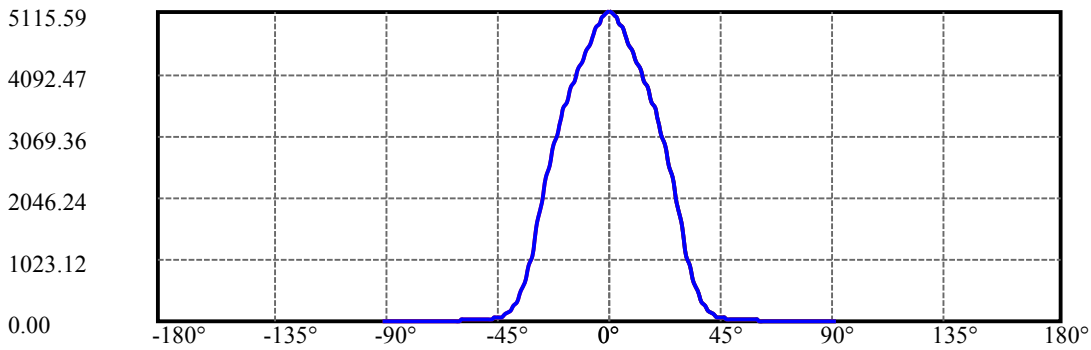
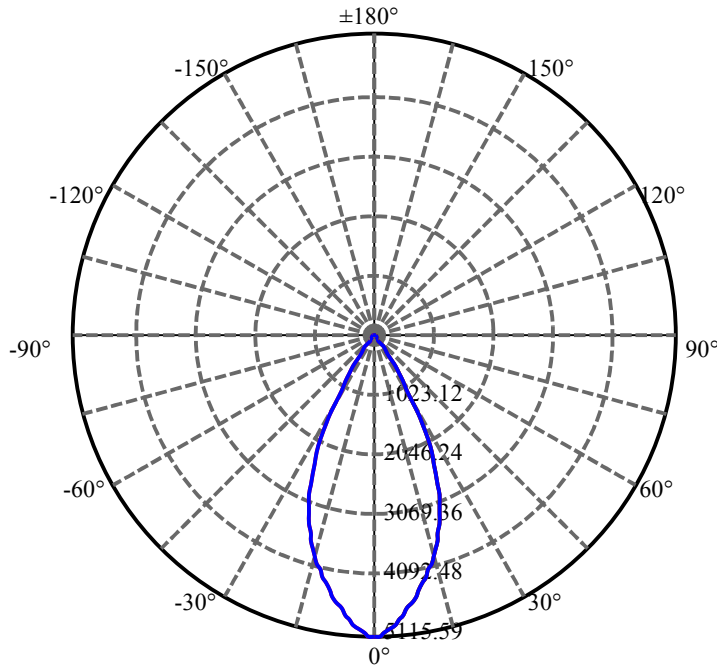
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.979	0.660	3019.727	0.02%	99.83%
77.0	5.545	0.614	3020.342	0.02%	99.86%
78.0	5.158	0.573	3020.915	0.02%	99.87%
79.0	4.639	0.526	3021.441	0.02%	99.89%
80.0	4.317	0.483	3021.924	0.01%	99.91%
81.0	3.876	0.443	3022.367	0.01%	99.92%
82.0	3.528	0.402	3022.768	0.01%	99.94%
83.0	3.167	0.364	3023.132	0.01%	99.95%
84.0	2.806	0.325	3023.458	0.01%	99.96%
85.0	2.451	0.287	3023.745	0.01%	99.97%
86.0	2.155	0.252	3023.996	0.01%	99.98%
87.0	1.886	0.221	3024.218	0.01%	99.98%
88.0	1.623	0.192	3024.41	0.01%	99.99%
89.0	1.419	0.167	3024.576	0.01%	100.00%
90.0	1.281	0.148	3024.725	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2580.97	77.95%	85.33%
0-40	2932.24	88.56%	96.94%
0-60	3002.97	90.70%	99.28%
0-90	3024.58	91.35%	100.00%
0-120	3024.58	91.35%	100.00%
0-180	3024.72	91.35%	100.00%
60-90	21.61	0.65%	0.71%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.01	2419.78	73.08%	80.00%

ZONAL LUMEN SUMMARY

0-10	448.18
10-20	1074.75
20-30	1058.04
30-40	351.27
40-50	50.97
50-60	19.76
60-70	12.05
70-80	6.90
80-90	2.65
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



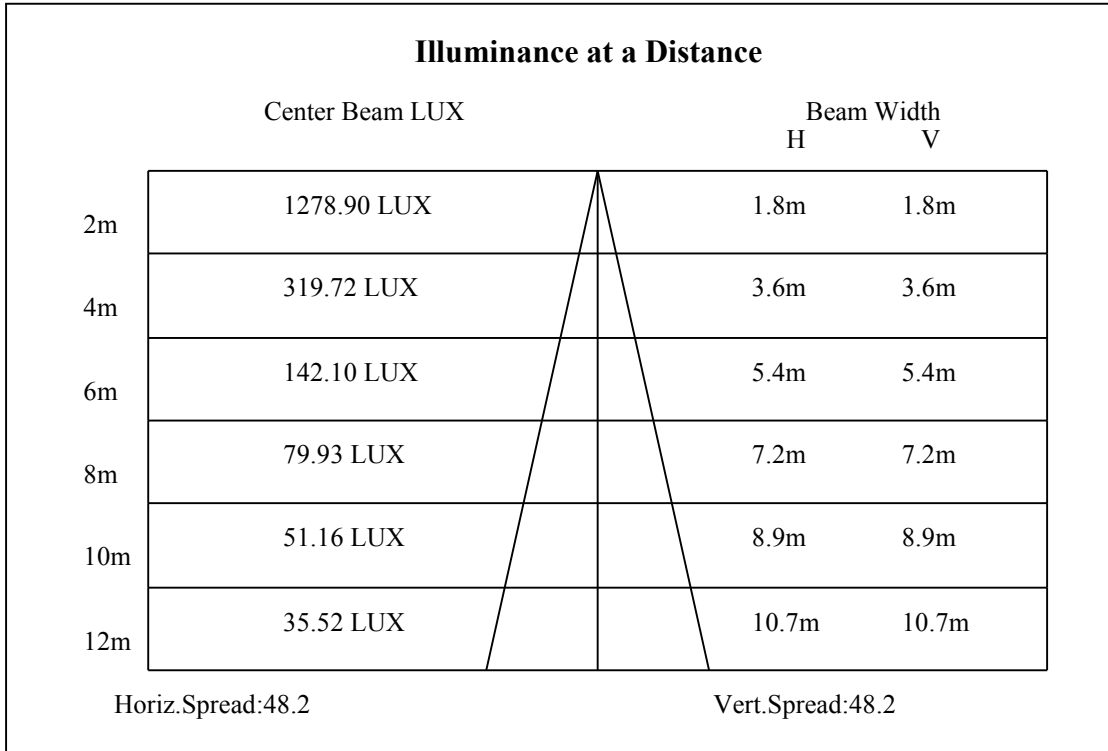
C0(Max): ———

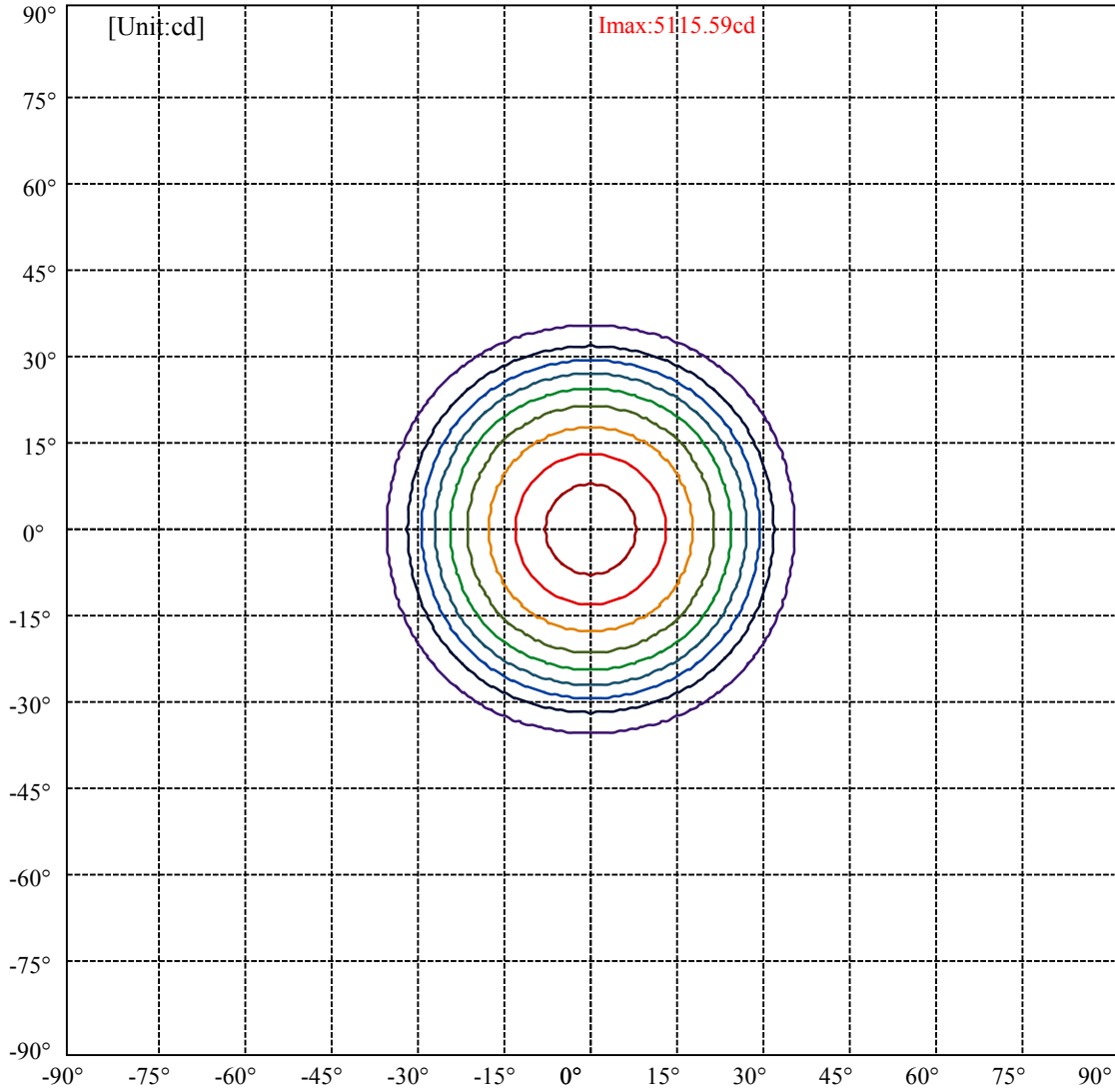
C0/C180: ———

C90/C270: ———

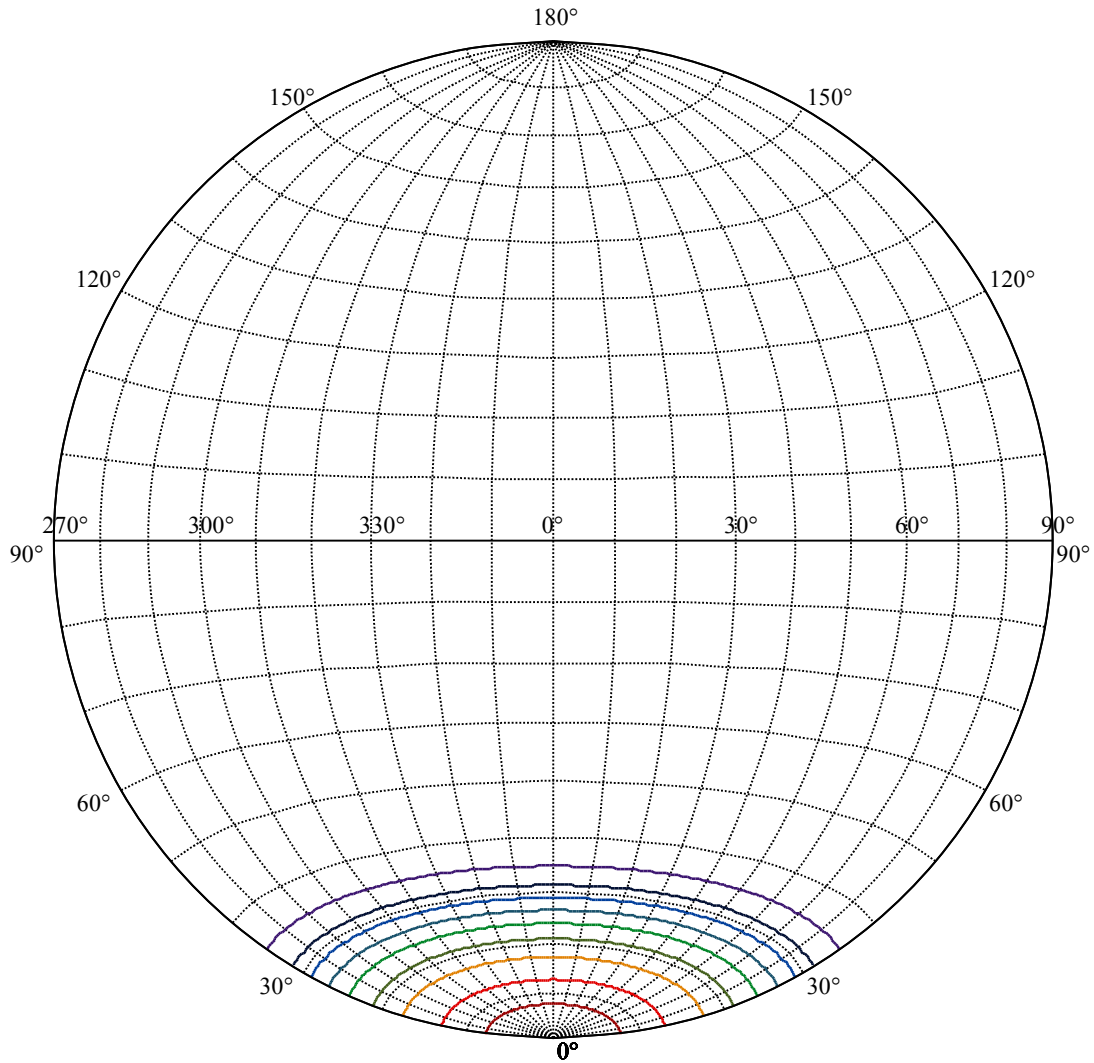
Field angle(10%Imax):C0/180Left:35.0 Right:35.0
:C90/270Left:35.0 Right:35.0

Beam Angle(50%Imax):C0/180Left:24.1 Right:24.1
:C90/270Left:24.1 Right:24.1





(10%Imax) 511.559	—
(20%Imax) 1023.12	—
(30%Imax) 1534.68	—
(40%Imax) 2046.24	—
(50%Imax) 2557.8	—
(60%Imax) 3069.36	—
(70%Imax) 3580.92	—
(80%Imax) 4092.47	—
(90%Imax) 4604.03	—



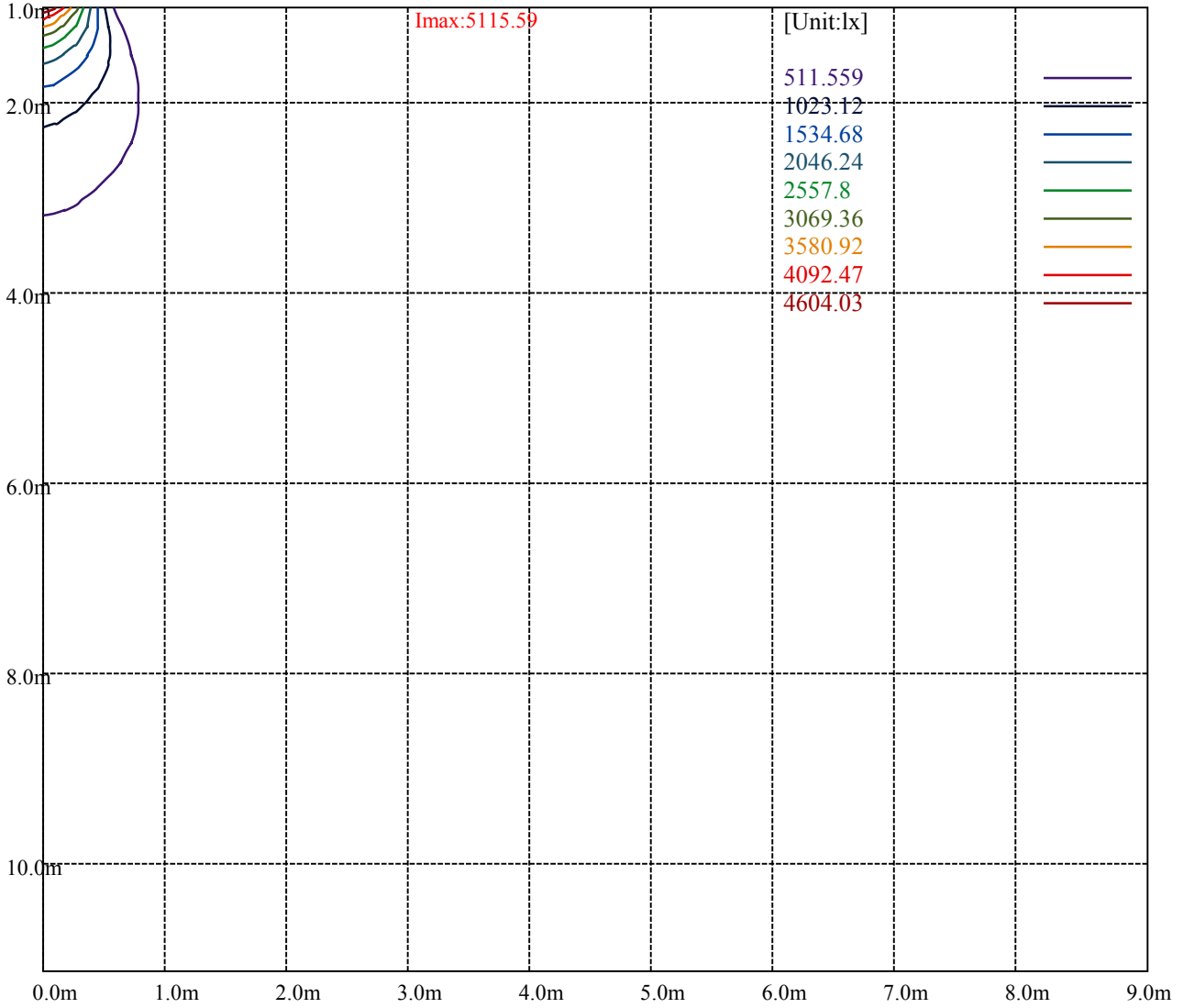
House

[Unit:cd]

Road

Imax:5115.59

(10%Imax) 511.559	—
(20%Imax) 1023.12	—
(30%Imax) 1534.68	—
(40%Imax) 2046.24	—
(50%Imax) 2557.8	—
(60%Imax) 3069.36	—
(70%Imax) 3580.92	—
(80%Imax) 4092.47	—
(90%Imax) 4604.03	—



Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

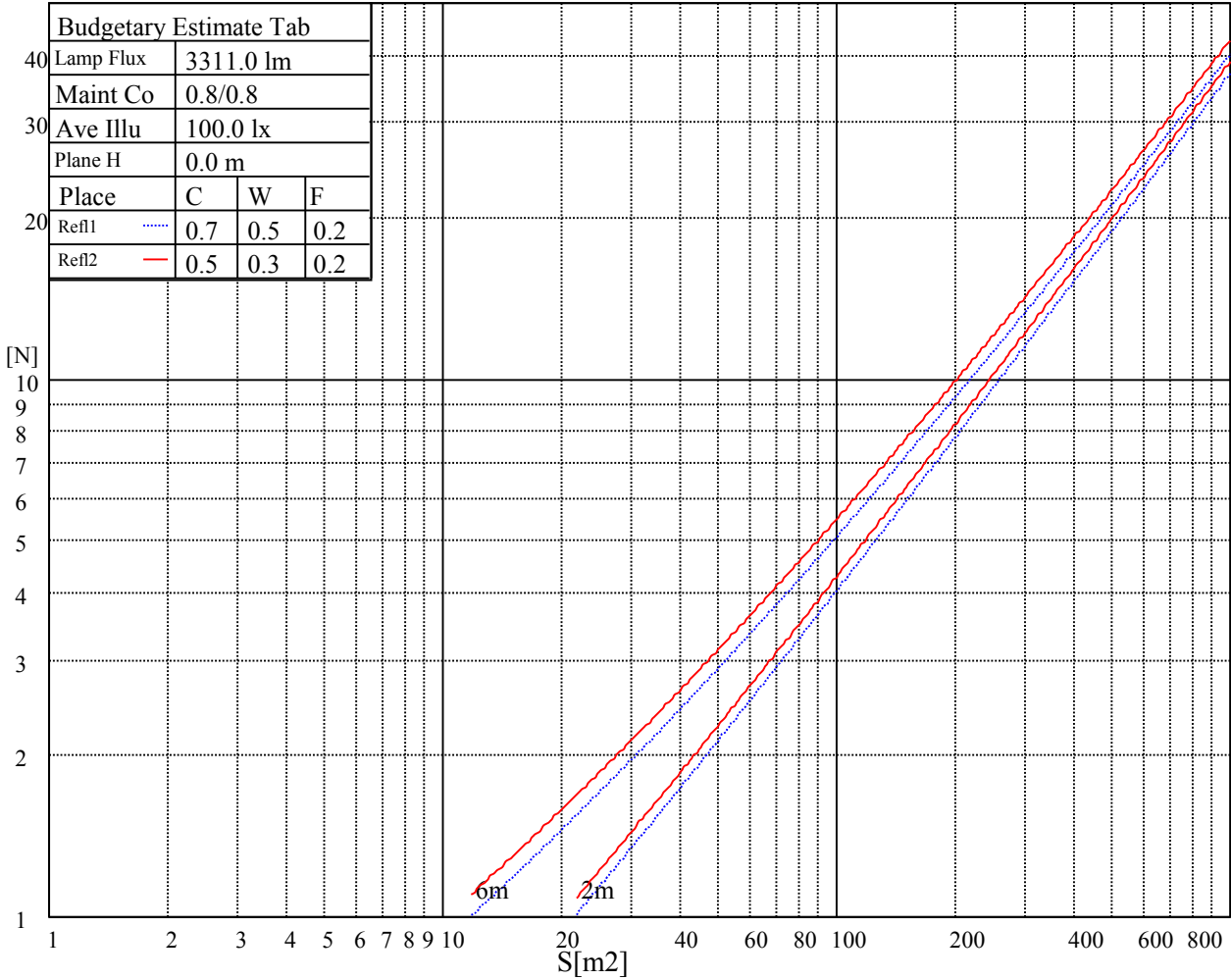
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

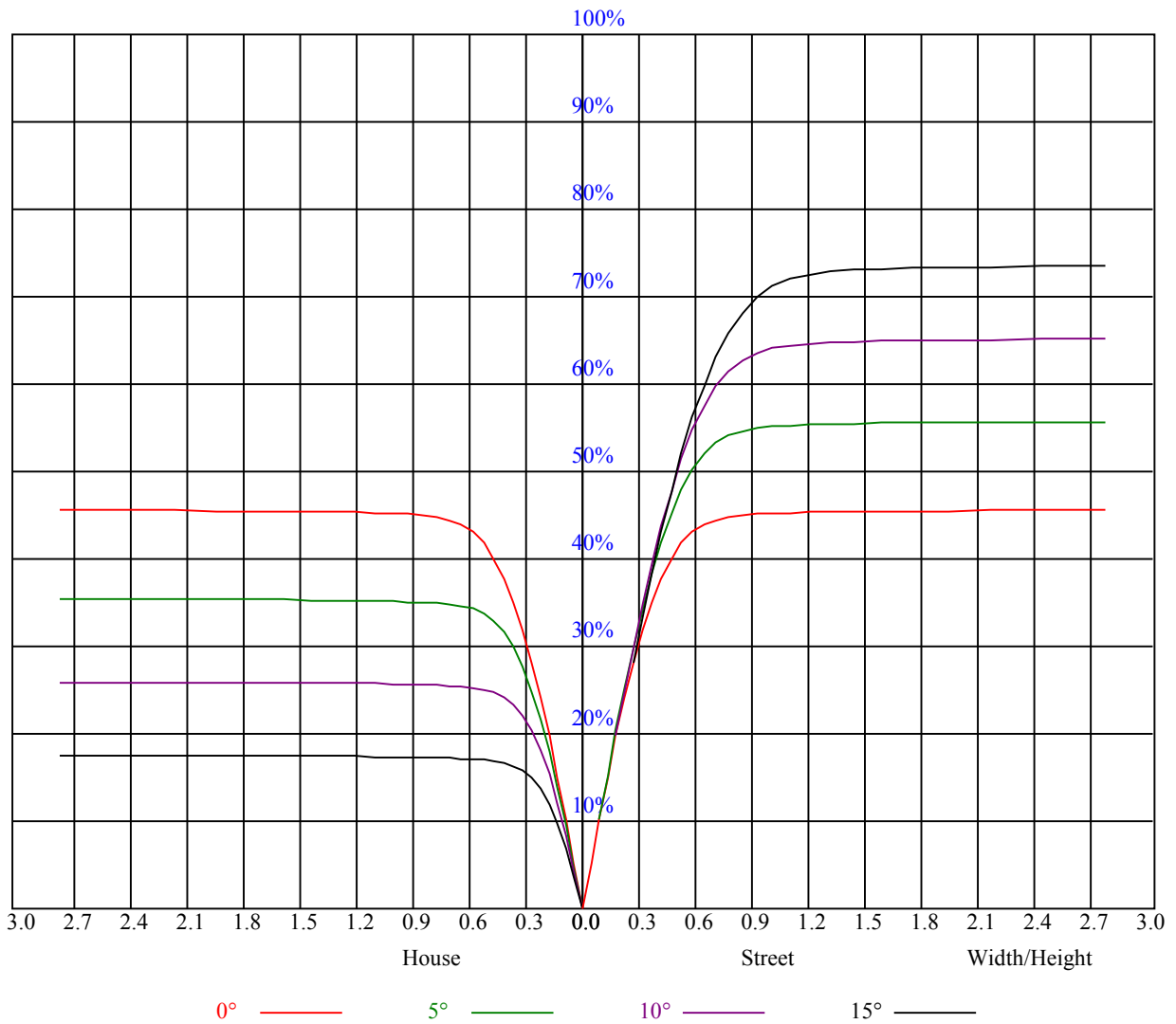


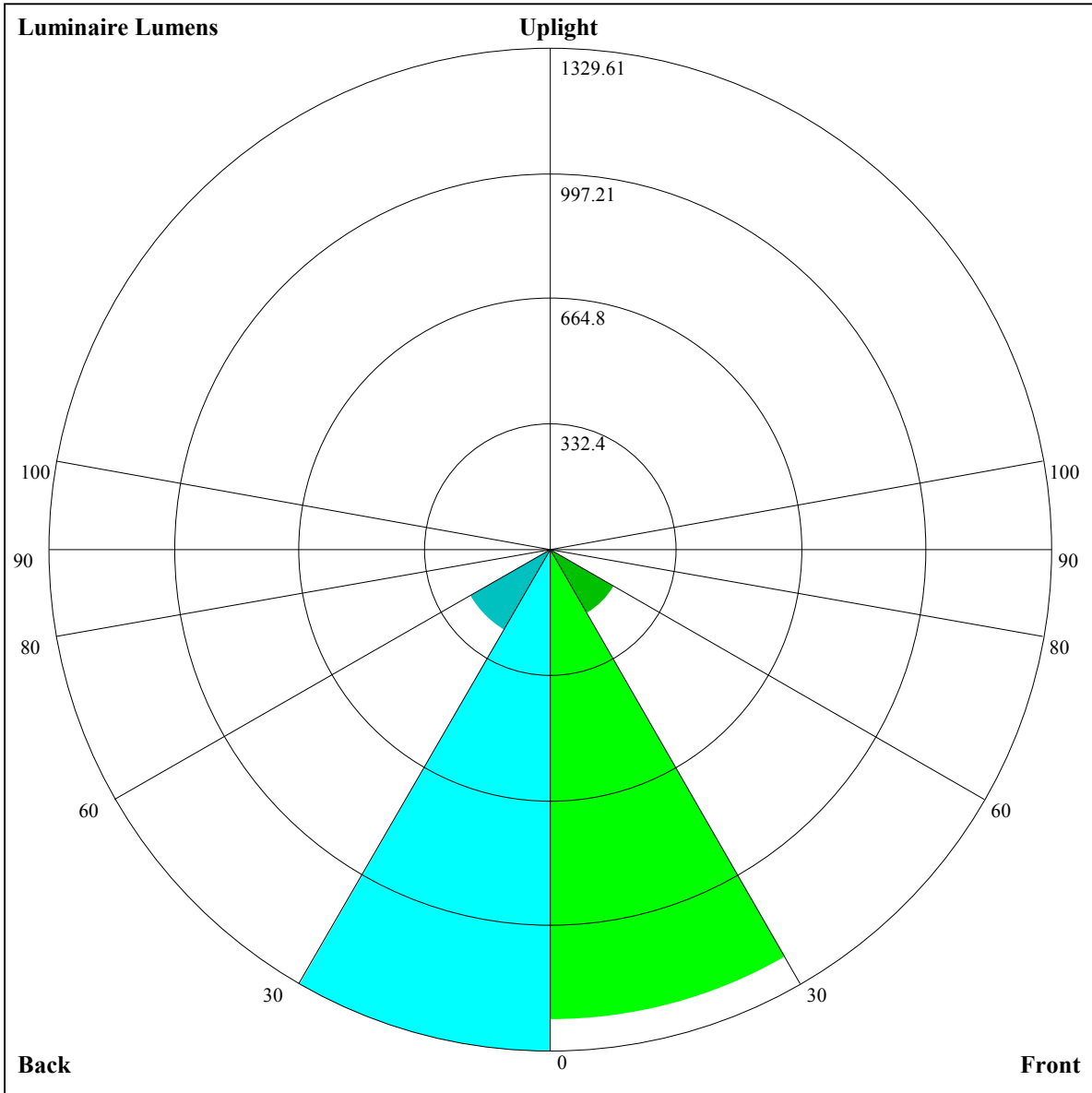
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.86
2	0.96	0.92	0.89	0.94	0.91	0.88	0.91	0.89	0.86	0.88	0.86	0.85	0.86	0.84	0.83	0.81
3	0.90	0.86	0.83	0.89	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.79	0.82	0.80	0.78	0.77
4	0.85	0.80	0.77	0.84	0.80	0.76	0.82	0.78	0.76	0.80	0.77	0.75	0.79	0.76	0.74	0.73
5	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
6	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
7	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.62
8	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.59
9	0.66	0.61	0.57	0.65	0.61	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.56
10	0.63	0.58	0.55	0.62	0.58	0.55	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.53





Luminaire Lumens:

FL=1246.58,FM=192.71,FH=9.19,FVH=1.35

BL=1329.61,BM=245.82,BH=9.88,BVH=1.47

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	5095.57	5034.80	4967.42	4880.48	4776.83	4683.79	4600.22	4511.65	4420.24
45.0	5141.77	5059.88	5006.95	4878.27	4814.73	4706.66	4603.00	4502.71	4404.11
90.0	5066.55	4966.84	4872.12	4769.05	4653.15	4535.62	4447.58	4346.71	4237.54
135.0	5158.48	5125.05	5048.73	4971.31	4881.06	4780.77	4715.01	4557.33	4499.40
180.0	5095.57	5135.67	5151.28	5113.91	5049.84	5009.21	4943.45	4859.30	4753.44
225.0	5141.77	5180.77	5180.77	5162.95	5116.70	5055.41	4979.67	4875.49	4768.47
270.0	5066.55	5145.71	5185.24	5198.64	5181.93	5136.78	5053.20	4990.23	4913.33
315.0	5158.48	5160.17	5126.21	5089.99	5009.73	4926.74	4838.12	4740.61	4656.51
360.0	5095.57	5034.80	4967.42	4880.48	4776.83	4683.79	4600.22	4511.65	4420.24
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4311.60	4204.11	4103.82	4004.63	3895.99	3789.55	3670.86	3539.93	3390.65
45.0	4298.82	4193.49	4083.74	3986.81	3894.88	3788.44	3670.33	3559.43	3440.79
90.0	4133.30	4040.27	3937.19	3829.13	3716.59	3610.15	3501.50	3382.29	3237.43
135.0	4406.89	4319.95	4215.25	4127.73	4023.03	3912.70	3804.05	3699.87	3591.75
180.0	4655.93	4561.79	4469.28	4374.57	4289.31	4200.74	4108.81	4004.05	3897.09
225.0	4664.29	4559.01	4444.79	4338.93	4242.53	4138.88	4053.67	3922.16	3807.36
270.0	4817.51	4735.62	4639.80	4534.46	4434.17	4337.83	4235.28	4109.39	3996.27
315.0	4579.83	4481.53	4426.97	4279.85	4176.25	4104.34	3931.62	3856.98	3737.19
360.0	4311.60	4204.11	4103.82	4004.63	3895.99	3789.55	3670.86	3539.93	3390.65
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3298.72	3074.17	2971.62	2794.49	2611.15	2410.57	2207.78	1995.48	1778.19
45.0	3301.50	3148.28	2990.02	2834.01	2667.97	2563.26	2375.46	2177.14	1971.51
90.0	3151.59	3003.95	2807.84	2720.90	2558.80	2376.04	2180.45	1971.51	1755.90
135.0	3478.64	3347.18	3205.10	3064.71	2923.16	2761.06	2592.75	2402.79	2190.49
180.0	3782.87	3665.87	3529.36	3382.29	3225.71	3070.28	2913.12	2749.33	2595.01
225.0	3714.33	3562.21	3454.14	3318.74	3139.93	3003.42	2807.84	2602.79	2406.10
270.0	3878.69	3759.48	3630.75	3497.04	3351.65	3188.39	3021.77	2910.91	2722.05
315.0	3594.54	3441.32	3285.89	3119.85	2944.34	2766.05	2580.50	2372.15	2167.68
360.0	3298.72	3074.17	2971.62	2794.49	2611.15	2410.57	2207.78	1995.48	1778.19
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1559.21	1056.77	1056.77	902.29	730.20	581.18	457.66	357.16	305.70
45.0	1762.05	1547.55	1329.67	1119.06	920.16	738.56	586.44	461.08	359.69
90.0	1529.15	1104.34	1104.34	905.34	731.41	586.33	487.62	363.68	296.72
135.0	1979.35	1753.70	1526.36	1350.28	1097.35	941.92	763.63	608.73	483.36
180.0	2381.03	2112.49	1936.46	1711.91	1479.58	1253.93	1045.00	859.45	695.09
225.0	2207.78	1993.28	1765.94	1540.29	1027.12	1027.12	909.02	735.03	643.42
270.0	2440.69	2318.11	2107.49	1886.31	1656.72	1426.65	1196.53	985.34	797.58
315.0	1953.17	1740.29	1524.68	1058.98	1058.98	939.19	757.69	602.00	472.69
360.0	1559.21	1056.77	1056.77	902.29	730.20	581.18	457.66	357.16	305.70
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	211.35	180.60	140.39	110.54	88.31	72.38	60.71	52.30	45.83
45.0	293.35	293.35	172.67	121.37	105.02	83.89	64.13	58.08	50.09
90.0	228.70	168.15	137.14	107.86	87.57	73.80	63.81	56.08	49.72
135.0	379.19	294.46	294.46	174.03	135.19	107.65	88.41	74.80	68.70
180.0	558.00	444.36	351.33	303.39	303.39	179.34	124.99	107.70	85.05
225.0	510.28	399.84	311.38	240.84	185.13	143.08	112.06	90.04	74.27
270.0	638.79	505.07	395.32	307.28	276.11	216.50	140.76	117.32	92.30
315.0	365.41	280.26	211.67	159.84	121.26	94.40	76.22	63.39	53.98
360.0	211.35	180.60	140.39	110.54	88.31	72.38	60.71	52.30	45.83

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	40.74	36.48	32.90	29.80	27.07	24.65	22.55	20.81	19.34
45.0	43.78	38.74	34.85	31.48	28.49	26.12	24.07	22.44	20.87
90.0	44.57	40.16	36.64	33.59	30.91	28.54	26.39	24.55	22.92
135.0	60.92	51.46	48.20	43.21	39.21	35.90	33.06	30.64	28.33
180.0	68.54	57.24	49.15	42.73	37.69	33.59	30.12	27.28	24.76
225.0	63.29	54.67	47.67	42.37	38.42	35.32	32.06	29.38	27.02
270.0	80.00	67.44	58.19	51.46	46.15	41.73	38.06	34.85	32.06
315.0	47.25	42.00	37.58	33.85	30.75	29.12	25.97	24.76	22.97
360.0	40.74	36.48	32.90	29.80	27.07	24.65	22.55	20.81	19.34
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.92	16.71	16.08	14.77	13.88	13.35	12.67	12.14	11.62
45.0	19.45	18.03	16.82	15.77	14.82	14.24	13.14	12.46	12.09
90.0	21.97	19.92	18.71	18.03	16.61	16.03	15.14	14.30	13.61
135.0	26.33	24.65	22.92	21.50	20.03	18.76	17.61	16.56	15.61
180.0	22.76	21.24	19.82	18.61	17.61	16.71	15.87	15.19	14.61
225.0	25.02	23.23	22.02	20.50	18.82	17.82	16.77	15.72	14.72
270.0	29.70	27.54	25.65	23.86	22.34	20.76	19.34	18.55	16.82
315.0	20.76	19.87	18.61	17.40	16.29	15.35	14.45	13.61	12.93
360.0	17.92	16.71	16.08	14.77	13.88	13.35	12.67	12.14	11.62
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.30	11.04	10.62	10.25	9.93	9.78	9.51	8.73	7.88
45.0	11.77	11.51	11.20	10.88	10.62	10.46	10.35	10.25	9.46
90.0	12.88	12.14	11.41	10.67	10.04	9.41	8.78	8.20	7.73
135.0	14.82	14.03	13.25	12.62	11.72	11.20	10.41	9.67	8.99
180.0	13.98	13.46	12.72	12.04	11.51	10.99	10.35	9.72	9.15
225.0	13.77	12.93	12.14	11.30	10.62	10.09	9.41	8.83	8.25
270.0	15.72	15.03	13.56	13.14	12.30	11.41	10.67	9.88	9.20
315.0	12.19	11.67	11.20	10.62	10.14	9.72	9.25	8.78	8.41
360.0	11.30	11.04	10.62	10.25	9.93	9.78	9.51	8.73	7.88
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.25	6.68	6.10	5.68	5.20	4.89	4.47	3.99	3.73
45.0	7.88	7.15	6.62	6.10	5.62	5.20	4.78	4.26	3.99
90.0	7.31	6.73	6.15	5.83	5.26	4.84	4.63	3.99	3.78
135.0	8.46	7.94	7.52	7.04	6.57	6.04	5.62	5.15	4.78
180.0	8.52	7.99	7.46	6.99	6.57	6.10	5.68	5.20	4.78
225.0	7.78	7.31	6.78	6.36	5.94	5.52	5.20	4.57	4.36
270.0	8.52	7.99	7.41	6.94	6.52	6.04	5.62	5.10	4.73
315.0	7.83	7.46	7.04	6.68	6.15	5.73	5.26	4.84	4.36
360.0	7.25	6.68	6.10	5.68	5.20	4.89	4.47	3.99	3.73
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.31	3.05	2.73	2.37	2.10	1.89	1.68	1.42	1.37
45.0	3.63	3.15	2.84	2.47	2.10	1.89	1.58	1.31	1.21
90.0	3.26	2.94	2.68	2.31	2.10	1.89	1.68	1.42	1.47
135.0	4.31	3.94	3.57	3.10	2.79	2.47	2.21	1.84	1.52
180.0	4.36	4.05	3.57	3.31	2.84	2.42	2.10	1.89	1.52
225.0	3.84	3.47	3.15	2.84	2.42	2.05	1.79	1.52	1.26
270.0	4.31	3.94	3.47	3.10	2.73	2.31	2.10	1.84	1.52
315.0	3.99	3.68	3.31	2.94	2.52	2.31	1.94	1.73	1.47
360.0	3.31	3.05	2.73	2.37	2.10	1.89	1.68	1.42	1.37

Intensity data(cd)

C/ γ (°)	90.0
0.0	1.42
45.0	1.26
90.0	1.42
135.0	1.16
180.0	1.37
225.0	1.16
270.0	1.31
315.0	1.16
360.0	1.42